

ABSTRACT

A mechanical world timepiece having a transmission
5 mechanism which allows the time display, such as, for
example, a 12-hour hand and/or a 24-hour hand, to be
directly adjusted with a turning ring having 24 time
zones. The timepiece serves for the easily manageable
adjustment of the time zone and the reading of the time
10 in a different time zone. Operation could not be simpler.
After a lever has been opened, the mechanism in fig. 1
automatically engages. The gear rim (6), which is fixed
with the turning ring, drives a vertical drive wheel (5),
which is connected by a shaft to a clutch wheel (4). Once
15 the pinion (4) is engaged, it drives one or two minute
wheels (8, 9), which move a 12-hour wheel (10) and a 24-
hour wheel (11) in a 1h-cycle. The turning ring is thus
easily turned to the desired destination at 12h and the
local time can immediately be read. Either the turning
20 ring is now turned back to its original locality or the
lever is simply closed. In the latter case, the time now
continues running according to the set destination. The
push-piece (2) disengages the mechanism via a rocker (3),
simultaneously fixes, in the closed state, the gear rim
25 (6) and prevents accidental adjustment of the time. The
transmission mechanism can also be used for setting or
changing other time displays, such as date, day of the
week, month, year, minutes, or for other functions such
as an alarm.